

IN THE CLAIMS:

Please cancel claims 32-61.

Please add new claims 62-93.

62. (New) A method for routing a data transmission connection between terminal equipment and a host, wherein a data transmission network includes at least two access points for connection of the terminal equipment to the data transmission network, the method comprising:

establishing a criterion for a choice of an access point;

evaluating access points according to said criterion;

choosing at least two of the access points which meet said criterion; and

transmitting at least a first part of data in a first direction through one of the at least two chosen access points and at least a second part of the data in the first direction through another of the at least two chosen access points.

63. (New) Method as claimed in claim 62, further comprising choosing the access points meeting said criterion in the terminal equipment.

64. (New) Method as claimed in claim 62, further comprising choosing the access points meeting said criterion in a gateway exchange.

65. (New) Method as claimed in claim 62, further comprising

establishing the criterion for the choice of a transmission capacity of a data transmission of the chosen access points,
choosing the transmission capacity of each chosen access point according to a result of the evaluation step, and
proportioning the data transmission between the chosen access points in relation to the chosen transmission capacities.

66. (New) Method as claimed in claim 62, further comprising estimating the access points constantly.

67. (New) Method as claimed in claim 62, further comprising estimating the access points at certain intervals of time.

68. (New) Method as claimed in claim 66, further comprising estimating the access points by monitoring a quality of the data transmission.

69. (New) Method as claimed in claim 62, further comprising giving reports to an application used in the terminal equipment on characteristics of the chosen access points.

70. (New) Method as claimed in claim 69, further comprising adapting a functioning of the application according to the reported characteristics.

71. (New) Method as claimed in claim 62, further comprising reporting characteristics of the chosen access points to a user.

72. (New) Method as claimed in claim 62, further comprising establishing the criterion from an application to be used.

73. (New) Method as claimed in claim 72, further comprising choosing at least one access point meeting said criterion for the application.

74. (New) Method as claimed in claim 62, wherein said evaluating step comprises evaluating the access points, in which the access points comprise at least one wireless access point.

75. (New) A method of routing data transmission connection between terminal equipment and a host over a data transmission network including at least two access points for connection of the terminal equipment to the data transmission network, the method comprising:

establishing a criterion for a choice of a data transmission relaying capacity of the access points;

estimating the access points in accordance with the criterion;

choosing a relaying capacity of each access point according to results of the estimation step; and

proportioning data transmission traffic between the access points in relation to the chosen relaying capacities such that at least a first part of data in a first direction is transmitted through one of the at least two access points and at least a second part of the data in the first direction is transmitted through another of the at least two access points.

76. (New) Method as claimed in claim 75, further comprising estimating the access points according to a criterion in the terminal equipment.

77. (New) Method as claimed in claim 75, further comprising estimating the access points according to the criterion in a gateway exchange.

78. (New) Method as claimed in claim 75, further comprising estimating the access points continuously.

79. (New) Method as claimed in claim 75, further comprising estimating the access points at certain intervals.

80. (New) Method as claimed in claim 75, further comprising estimating the access points by monitoring a quality of a data transmission.

81. (New) Method as claimed in claim 75, further comprising reporting characteristics of the access points to an application used in the terminal equipment.

82. (New) Method as claimed in claim 81, further comprising adapting an operation of the application in accordance with the reported characteristics.

83. (New) Method as claimed in claim 75, further comprising reporting characteristics of the access points to a user.

84. (New) Method as claimed in claim 75, further comprising establishing the criterion from an application to be used.

85. (New) Method as claimed in claim 75, wherein said estimating step comprises estimating the access points, in which the access points comprise at least one wireless access point.

86. (New) An arrangement for routing a data transmission connection between terminal equipment and a host over a data transmission network, wherein the data transmission network includes at least two access points for connecting the terminal equipment to the data transmission network, the arrangement comprising:

a router located in the terminal equipment for routing a data transmission through at least two access points such that at least a first part of data in a first direction is transmitted through one of the at least two access points and at least a second part of the data in the first direction is transmitted through another of the at least two access points.

87. (New) Arrangement as claimed in claim 86, wherein the router routes the data transmission through the at least two access points, in which at least one of the at least two access points comprises a wireless access point.

88. (New) An arrangement for routing a data transmission connection between terminal equipment and a host over a data transmission network, wherein the data transmission network includes at least two access points for connecting the terminal equipment of the data transmission network, the arrangement comprising:

a router located in the terminal equipment and in a gateway exchange for routing a data transmission through at least two access points such that at least a first part of data in a first direction is transmitted through one of the at least two access points and at least a second part of the data in the first direction is transmitted through another of the at least two access points.

89. (New) Arrangement as claimed in claim 88, wherein at least one of the at least two access points comprises a wireless access point.

90. (New) An arrangement for routing a data transmission connection between terminal equipment and a host over a data transmission network, wherein the data transmission network includes at least two access points for connecting the terminal equipment to the data transmission network, the arrangement comprising:

a router located in a gateway exchange for routing a data transmission through at least two access points such that at least a first part of data in a first direction is transmitted through one of the at least two access points and at least a second part of the data in the first direction is transmitted through another of the at least two access points.

91. (New) Arrangement as claimed in claim 90, wherein at least one of the at least two access points comprises a wireless access point.

92. (New) Terminal equipment configured to:

connect to a data transmission network through at least two access points;

establish a criterion for a choice of an access point;

evaluate the access points according to said criterion;

choose at least two of said at least two access points, wherein at least two access points chosen meet said criterion; and

transmit at least a first part of data in a first direction through one of the at least two access points chosen in the step of choosing and at least a second part of the data in

the first direction through another of the at least two access points chosen in the step of choosing.

93. (New) Terminal equipment comprising:

connecting means for connecting to a data transmission network through at least two access points;

criterion means for establishing a criterion for a choice of an access point;

evaluating means for evaluating the access points according to said criterion;

choosing means for choosing at least two of said at least two access points,

wherein at least two access points chosen meet said criterion; and

transmitting means for transmitting at least a first part of data in a first direction through one of the at least two access points chosen in the step of choosing and at least a second part of the data in the first direction through another of the at least two access points chosen in the step of choosing.